

!"#\$%&'&()*+,-./010.2+304*

5 246-#"7877(9:~46); <=>"6-#"789(9:?"@-A%B=..6,4C?>223*7%

!"#\$%&'()*+,-./0("I*%2. #4, %(5-#'-#-' , .+%2#"'+6.2'+''(. *7('3'(. \$%#. (2#8., 2%("-. , (%%#%66+'69:# ; %#. 6%#&6. +%<, *#'"#\$%#. \$%#+'#\$%#*=%)%#*%. 6(#. (2#>*. 9#"'+3%-*%#. (2-:!!

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"#\$%&'()*+,-./0123456'11#\$'7(+!!

8,.,(1!9)'&\$!:'1\$;+3\$!<=>?!@'-A9&13!@+22!)) - !BC<!!!

D'1\$%.)# \$!+4)'%91!()#1#%!)!%91!()'&\$!\$9)'2;!41!;.&1(%1;!%)!%91!.\$%&'(%&!+%012213456'11#\$'7(+!!

D'1\$%.)# \$!+4)'%91!2)E.\$.(%)!%91!()'&\$!\$9)'2;!41!;.&1(%1;!%)!%91!91+;!: F!G+'&+!+!2;2&56'11#\$'7(+!!

G2=>"0% / 0"\$>,+*,24%

! 8#1!H+3!%)!41%1&! '#; 1&\$%+#; !%3A.(+2!; 1I12)A - 1#%+2!A&)(1\$\$1\$.!\$!)!1J+ - .#1!(+\$1\$!) ,!; 1I12)A - 1#%E)#1! +H&37!!F2)9)'E9!H1!H.22!41!\$%' ; 3.#E!H9+%1+&1!()#\$% ; 1&1; !%)!41!(2.#.(+2!; .)\$& 1&\$!.#!%9.\$!(2+\$?%91!), ('\$!H.22!41!)#!9)H!; 1I12)A - 1#%9+\$!A&)(11; 1; !.#!+#!+3A.(+2! - +##1&!.#!(9.2;&1#H.%9!; 1I12)A - 1#%+2!; .)\$& 1&\$7!! :9'?\$!H1! H.22! - +.#%+.#!+!; 1I12)A - 1#%+2!; .)'?'+#; !()#.#'1!%)!&1,1&4+(0!%)!%3A.(+2!; 1I12)A - 1#%+2!A&)(1\$\$1\$!%9&)'E9)'% !%91!(2+\$!KH9.(9!.\$!H93!L1I12)A - 1#%+2!M\$3(9)2)E3!.\$!+!A!1=&16' .\$.%1!; .)&!%9.\$!() '&\$1N7!!"#%91!; .&\$%1\$(%)#H1! H.22!; .)('\$!H9+%!H1! - 1+#!43!+3A.(+2!; 1I12)A - 1#%+#!; !9)H!E+.#.#E!+!41%1&! '#; 1&\$%+#; .#E!)!+3A.(+2! ; 1I12)A - 1#%+22)H\$!' \$%)!41%1&! '#; 1&\$%+#; !%3A.(+2!; 1I12)A - 1#%+#!; !I.(1!I1&\$+7!!O1!H.22!%91#!()I1&\$!J! ; 1I12)A - 1#%+2!; .)\$& 1&\$!.#!E&1+%1&!; 1%+.2!!PA1(.,.(!G+#E'+E1!" - A+.& - 1#%?!L3\$21J.+?!L)H#!P3#; &) - 1?! O.22.+ - \$!P3#; &) - 1?!F%1#%#.)=#L1,.(%Q@3A1&+(%I.%3!L.\$)& 1&?!+#!; !F'%. \$ - !PA1(%&' - !L.\$)& 1&7!

D4*04606!H*=604*!@0->4,4C%I=*\$230"!
RA)#!() - A21%.)#), !%9.\$!() '&\$!?!+!\$'((1\$\$, '2!\$%' ; 1#%!\$9)'2;!41!+421!%)/!

L1\$(&.41!%91!4+\$.(!A91#) - 1#)2)E3!), !PA1(.,.(!G+#E'+E1!" - A+.& - 1#%?!L3\$21J.+?!L)H#!P3#; &) - 1?! O.22.+ - \$!P3#; &) - 1?!F%1#%#.)=#L1,.(%Q@3A1&+(%I.%3!L.\$)& 1&?!+#!; !F'%. \$ - !PA1(%&' - !L.\$)& 1& *) - A+&1!+#!; !()#%&+\$%91!()E#.#.I1Q2.#E'\$.S.(!+#!; !\$(.+2!A&), 21\$!), !%91\$1!; .)\$& 1&\$% SJA2+.#!%91!; 1I12)A - 1#%+2!() '&\$!\$!), !%91\$1!; .)\$& 1&\$% "#%1&A&1!#1H!&1\$1+&(9!.,#; .#E\$!.#!%91\$1!.,12; \$!% SI+2'+%1!&1\$1+&(9! - 1%9); \$!+#!; !H1+0#1\$\$1\$!), !.#; .I.; '+2!&1\$1+&(9!\$%' ; .1\$!.#!%91\$1!.,12; \$!%

; 0J*K22L"MN0-6,4C"%"
T1(+ '\$1!%91&1!.\$!#)!+I+.2+421!%1J%4)0!,)&!%9.\$!() '&\$!?!3)'!H.22!41!&1+; .#E!\$' - - +&3!(9+A%1&\$!+#!; !)&.E.#+2!

+&%. (21\$!H9.(9!H.22!41!+I+.2+421!)#8#D7!!"H.22!\$' - - +&.U1!%91\$1!.#!%91!)#2.#1!21(% '&1\$?!4'!A21+\$1!;)#V%91\$.%+%1! %)!()#%+(% - 1!.,!3)'!9+I1!+3!6'1\$%.)# \$!+4)'%91!+&%. (21\$7!!F22!&1+; .#E\$!+&1!+I+.2+421!.#!%91!*) '&\$!P(91; '21! KR#; 1&!*)#%1#%\$?!%91#*) '&\$!L1\$(&.A%.)#!+#!; !W16' .&1 - 1#%N7!!SI1&3%9.#E!%9+%13)'!#11;!K)%91&!%9+#!%9.\$! \$322+4' \$N!H.22!41!+I+.2+421!.#!%91!*) '&\$!P(91; '21!#(2' ; .#E!21(% '&1!\$2.; 1\$?!21(% '&1!+' ; .)!&1()& .#E\$?!&1+; .#E! +\$\$E# - 1#%\$!+#!; !2.#0\$!)!%91!&1+; .#E\$?!+#!; !&A4)J1\$!), &!+22!), !3)'&!+\$\$E# - 1#%\$!+#!; !%91!.,#+2!1J+ - 7!!

O>-6,4C%B>0-L62A4%
5,6*0>3%PJ-3%Q*-L08

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)\$-603,\$G24",60>-*24%V2>%H*=604*"%4PJ*04=-*4C%G,>\$=3"*-4\$0"!

F(+;1 - .(!()#\$.;1&+%.)#!.\$!+!A&)(1\$\$!,)&!%91!'#.I1&\$.%3!()- - '#.%3!%)!A&)I.

Y)&! -)&1!.#,)& - +%.)#!)#%!91!F(+;1 - .(!*)#\$.;1&+%.)#!A&)(1\$\$?!H9+%.!.\$!+#;!.\$!#)%!+#!1J%1#'+%.#E!
(.&(' - \$%+#(1?!+#;!%)!\$'4 - .%!+#!F(+;1 - .(!*)#\$.;1&+%.)#!&16'1\$%?![A21+\\$1!\\$11!](#)'&!H14\$.%17!!

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i +I.E+%.#E!%91!+(() - -);+%.)#\$!A&)(1\$\$!(+#!41! - +;1! -)&1!;.,.('2%!43!%91!1JA1&.1#(1!),!\$)(.+2!.#b'\$%. (17! :)!
+221I.+%1!+#3!()#,'\$.)#!+4)'%!%91!A&)(1\$\$!),!4%+.#.#E!+((- -);+%.)#\$!,)&!;.\$+4.2%.1\$?!91&1!.\$!.#,)& - +%.)#!

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!!!!F1%	[c=<cc%
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"=>0*2%0*#2=>-%-""',C4 3 04*,4*0->.#%042=C<V2>*<0%", 3,.-,>,*#>0+2>*%2%K0%040>-*068,V%#2=%<-46%,*,4%-*
*<0%.-"3,4=*0%#2=%3-#%42%0*%<0%", 3,.-,>,*#>0+2>*,4!* , 3 0E%%

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G2+>.<C*%2V%G2=>"0 5 -*0>,-."%%
: 9.\$! - +%1&.+2!.\$!; 1\$.E#1; !,)&' \$1!+\$!A+&%!) ,!MPX *!BCB!+%!D ' 11#o\$!R#. I1&\$.%3!+#; !.\$!%91!A&A1&%3!), !%91!.#S%&' (%)&!
' #21\$\$!)%91&H.\$1!\$%+%1; 7!! : 9.&; !A+&%3!() A3&.E9%1; ! - +%1&.+2!\$K\$' (9!+\$!4) 0!(9+A%1&\$!+#; !+&%.(21\$N!9+I1!1.%91&!411#!
2.(1#\$1; !,)&' \$1!.#!%9.\$!() '&\$1!)&!,+22! '#; 1&!+#!1J(1A.)#!)&!2. - %+.%)#!#!*+#+; +#!*) A3&.E9!2+H7!
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*) A3.#E!%9.\$! - +%1&.+2!,&); %&.4' %.)#!K17E7!' A2)+; .#E! - +%1&.+2!%)!+!() - - 1&(.+2!%9.&; =A+&%3!H14\$.%1N!(+#!21+; !%)!+!
I.)2+%.%)#!),!*) A3&.E9!2+H7!Y.#; !) '%! -)&!+4) '%!() A3&.E9!%91&1/!

9%%A/002.4&+&376' 11#\$' 7(+0() A3&.E9%7!
e +%1&.+2!\$E1#1&+%1; !43!.#S%&' (%)&\$!), !%9.\$!() '&\$1! - +3!#)%141!A)\$%1; !%!)() - - 1&(.+2!() '&\$1! - +%1&.+2!\$.%1\$H.%9) '%!
A1& - .\$.%)#7!@)H1I1&?!%913! - +3!41!' \$1; !+#!; !+; +A%1; ?!H.%9!+%&.4' %.)#?!,&!)#)#() - - 1&(.+2!A' &A)\$1\$7%

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) \$\$0"" .K,..*#!H* - *0304*!
D' 11#V\$!.\$!() - - %%1; !%)!+#!.#(2' \$.I1!(+ - A' \$!() - - '#.%3!H.%9!+((\$\$.421!E)); \$?!\$1&I.(1\$?!+#!; !,+ (.2.%1\$!)
%9+%!&1\$A1(%!%91!; .E#.%3!+#!; !.#; 1A1#; 1#(1!), !A1&\$)#\$!H.%9!; .\$.+4.2.%1\$7! : 91! - +%1&.+2!,&!)%9.\$!() '&\$1!.\$!+I+.2+421!.#!
+#!+((\$\$.421!,& - +%)&!H.%9!+AA&)A&.+%1!() - - '#.(+.)#!\$' AA)&\$!' A)#!&16' 1\$!,& - !%91!A&), 1\$\$)&7!
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;=>4,*4%#H* - *0304*!
: 9.\$!() '&\$1! - +01\$!' \$1!), !: '&#.%.#?!+!%9.&; =A+&%3!+AA2.(+%)#!%9+%!912A\$! - +.#%+.#!\$%+#!; +& \$!), !1J(1221#(1!!
.#!+(+; 1 - .(1.#%1E&.%37! i)& - +223!\$%' ; 1#%\$!H.22!41!&16' .&1; !%)!\$' 4 - %!%91.&!() '&\$1!+\$\$.E# - 1#%\$!)!%9&)' E9!!
)#D!%)! : '&#.%.#7!#!; .)#E!\$)!\$%' ; 1#%SV!H)&O!H.22!41!.#(2' ; 1; !+!\$!) '&(1;)(' - 1#%\$!#!%91! : '&#.%.#!!
&1,1&1#(1!; +%+4+\$!?!H91&1%913!H.22!41!' \$1; !)\$2123!,&!)%91!A' &A)\$1!), !; 1%1(%.#E!A2+E.+&\$. - 7!!
: '&#.%.#!.\$!+\$' .%1!), !%)2)\$%9+%!A&)I.; !!.#\$%&' (%)&\$!H.%9!.#,& - +%)#!+4) '%!%91!+ '%91#%.(%3!), !\$' 4 - %%1; !!
H)&O!+#!; !,+ (.2.%+1\$!%91!A&)(1\$!), !E&+; .#E7! : '&#.%.#!() - A+&1\$!' \$' 4 - %%1; !, .21\$!+E+.#S%!.%1\$1J%1#\$.I1!!
; +%+4+\$!!), !()#%1#%?!+#!; !A&); '(1\$!+\$\$. - .2+&.%3!1A)&%!+#!; !+!\$. - .2+&.%3!\$()&1!,)&!1+(9!+\$\$.E# - 1#%7!!
F!\$. - .2+&.%3!\$()&1!.\$!%91!A1&(1#%+E1!), !+!;)(' - 1#%9+%!.\$!\$. - .2+&!)!()#%1#%912; !H.%9.#%91!; +%+4+\$17!!
: '&#.%.#!;)1\$!#%); 1%1& - .#1!.,!+#!.#S%+#!(1!), !A2+E.+&\$. - !9+\$!)((' &&1; 7!#"#S%1+; ?!#!E.I1\$!.\$S%&' (%)&\$!%91!!
.#,& - +%)#!%913!#11; !%); 1%1& - .#1!%91!+ '%91#%.(%3!), !H)&O!+\$!+!A+&%!), !+!2+&E1&!A&)(1\$S7!!
M21+\$!1&1+; !: '&#.%.#V\$!M&.I+(3!M21; E1!M&.I+(3!M)2.(3?!+#!; !: 1& - \$!), !P1&I.(1?!H9.(9!E) I1&#S!' \$1&SV!!
&12+%)#)\$9.A!H.%9! : '&#.%.#7!F2\$)!A21+\$!1#)%1!%9+%! : '&#.%.#!' \$1\$!() 0.1\$!+#!; !)%91&!%&+(O.#E!%1(9#)2)E.1\$P!!
9)H1I1&?!.#!.\$!\$1&I.(1!()#%&+(%!H.%9!D' 11#V\$! : '&#.%.#9+\$!+E&11; !%9+%!#1.%91&! : '&#.%.#!)&!.%\$!%9.&; =A+&%3!!
A+&%#1&\$!H.22!' \$1!; +%+!()221(%1; !%9&)' E9!() 0.1\$!)&!%91&!%&+(O.#E!%1(9#)2)E.1\$!), &! - +&01%.#E!)&!!
+; I1&\$.#E!A' &A)\$1\$7!Y)&!, '%&91&!.#,& - +%)#!+4) '%!%9)H!3) !!(+#!1J1&(.1!()#%&)2!) I1&!() 0.1\$?!\$11!!
: '&#.%.#V\$!M&.I+(3!M)2.(3!//

: '&#.%.#! - +3!A&) I.; !!)%91&\$1&I.(1\$!%9+%!+&1!#)%!()##1(%1; !%)%91!A' &A)\$1!), &!H9.(9!D' 11#V\$!R#. I1&\$.%3!!
9+\$!1#E+E1; !: '&#.%.#7!X)' &!.#; 1A1#; 1#%!' \$1!), !: '&#.%.#V\$!)%91&\$1&I.(1\$!.\$!' 4b1(%1\$)2123!%)! : '&#.%.#V\$!!
: 1& - \$!), !P1&I.(1!+#!; !M&.I+(3!M)2.(3?!+#!; !D' 11#V\$!R#. I1&\$.%3!9+\$!#)!2.+4.2.%3!,&!)!+#!.#; 1A1#; 1#%!!
.#%1&+(%)#!3)' !(9)\$1!%)9+I1!H.%9! : '&#.%.#7%

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0KB>2A"0">"
)#D!A1&,& - \$!41\$!H91#!' \$.#E!%91! -)\$%&!&1(1#%I1&\$.)#!), !%91!H14!4&)H\$1&\$?!*9& - 1!)&!Y.&1,) J7!P+,+&!.+#!; !S; E1!
+&1!\$%&)#E23!; .\$()'+E1; !+\$!%91\$!H14!4&)H\$1&\$!+&1!0#)H#!%)!(+' \$1!.\$' 1\$!H.%9!)#D7!
%

H=CC0"*06%; , 30%G23 3, * 304*!
"#!%9.\$!() '&\$1!?!3)' !S9)' 2; !1JA1(%!)!#I1\$!)#!+I1&+E1!_!%)<c!9)' &\$!A1&!H1107! : 9.\$!H.22!.#(2' ; 1!%91!% - 1!3)' !
\$A1#; !.#!(2+\$S!)&!2+40% '%)&.+2?!\$%' ; 3.#E!() '&\$1! - +%1&.+2?!+#!; !() - A21%.#E!H11023!9) - 1H)&O!)&!A&1A+&.#E!), &!3)' &!
2+&E1&+\$\$.E# - 1#%\$!+#!; !1J+ - \$7!X)' !+&1!1#() '&+E1; !%)!\$!+!%1& - !+#!+!E2+#!+#!; !+!H11023!\$%' ; 3!\$(91; ' 21!KI.\$%!
PFPPN!%9+%!; .S%&.4' %1\$!%91!_<c!9)' &\$!A1&!H110!+#!; !+I).; !q(&+ - - .#EV7! : 9.\$!H+3!3)' !H.22!41! -)&!12.0123!%)!
() - A21!%1%91!() '&\$1!\$' ((1\$\$, '223!+#!; !&1 - 1 - 41&!H9+!%3)' !2!+ !2)#E1&7!!

X2*,\$0%2V\N0\$2>6,4C

" ,!3) '!#11;!)! - .\$\$!+(2+\$\$?!3) '!\$9) '2;!0#)H!%9+%!+22!(2+\$\$1\$!H.22!41!&1()&; 1;!H.%9!+' ;.)!\$),%H+&1!+#;!H.22!41!
- +; 1!+I+.2+421!%)!\$%' ;1#%\$!.#!%91!(' &\$1!,)&!%91!; '&+%.)#!),!%91!1& - 7!:91!&1()&; .#E\$! - +3!(+A% '&1!3) '&!I).(1!
%9&) 'E9!%91!+' ;.)!&1()&; .#E\$7!T3!+%1#; .#E!%91!\$1!2. I1!(2+\$\$1\$?!3) '!+&1!()#1#%.#E!%)!%91!()221(%.)#!),!%9. \$!
. #,) & - +%.)#!,)&!%91!A '&A)\$1\$!),!+; - .#.\$1&.#E!%91!(2+\$\$!+#; !+\$\$) (.+%1;!() '&\$1H)&07!" ,!3) '!+&1!()#(1!+4) ' %!
%91!()221(%.)#!),!3) '&!I).(1!.#!%91!(2+\$\$?!A21+\$1!()#%+(%!%91!(' &\$1!.#%&' (%)&!%)!; 1#%,3!A)\$\$.421!+2%1&#+% . I1\$7g!!
)!21+&#! -)&1!+4) '%!9)H!3) '&!A1&\$)#+2!.#,) & - +%.)#!.\$!()221(%1;?! '\$1;!+#; !; .\$(2)\$1;!43!D' 11#V\$!R#. I1&\$.%3?!
A21+\$1!\$11!%91! i).(1!),!*)221(%.)#?!R\$1!+#;!L.\$(2)\$ '&1!),!M1&\$)#+2!"#,) & - +%.)#7g!!

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i)&4' &3?!*7!Y7?! r !PA+&O\$?!F7!K>c<BN7!L.,,1&1#(1!)&!; .\$.&; 1&t!* '2%' &+2!.\$\$' 1\$!.#!' #; 1&\$%+#; .#E!

! #1' &); 1I12)A - 1#%+2!; .\$.&; 1&\$7!F%=%*" ">@%(+. *#G-9/3""&9)#WX)#dC=C_7!

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"<#7, +' -@#. (2#F%=%*" ">@%(+. *#F' - "62%6-)#VS)#<[B<=<[dB7!L 8"/!<c7<cc`Q\$<c_cB=cc_cC_`= <

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T0K>=->#%9e!

h).#E!)I1&!F&%.(2!W1I.1H!F\$\$E# - 1#!)#!PG"!

e +&%1#\$?! e 7!F7?! O.2\$)#?!P7!s7?! r !W1 ' %1#\$?!L7! *7!K>cc_N7!W1\$1+&(9!&1I.1H!/!O.22.+ - !\$3#;#&) - 1/!F!(&%. (+2!&1I.1H!
!),!%91!()E#.%I1!419+I.)&+2?!+#; !#1 ' &)+#+%) - .(+2!A91#)%3A17!Y", 6(. *"#<#Q3 '*2#G-9/3 '*"&9#. (2##
G-9/3'. +69)#WX)#C`Z=Zc_7!;) . /<c7<<<<Qb7<dZ [= `Z<c7>cc_7c<__`7J!

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5 ->\$<!9%

f +#!L1#!@1 ' I12?!S7?! e +#; 1&\$?!S7?!PH.221#?!F7?! r !u.#0?! "7!K>c<ZN7!!L1I12)A - 1#%+2!%&+b1(%)&.1\$!),!\$%&' (% '&+2!+#; !
! A&+E - +%. (!2+#E ' +E1!\$0.22\$!.#!\$(9))2=+E1; ! (9.2; &1#!H.%9!O.22.+ - !\$3#;#&) - 17!!Y", 6(. *"#<#D(+%*% /+, . *##
F'-. \$ '*'+9#L%-%. 6/3)#TZ)#[cB=[<[7!!L 8"/<c7<<<<Qb.&7<>B>[!

